

#415  
8/2/02

## CONSTRUCTION OF ADCRE VECTORS

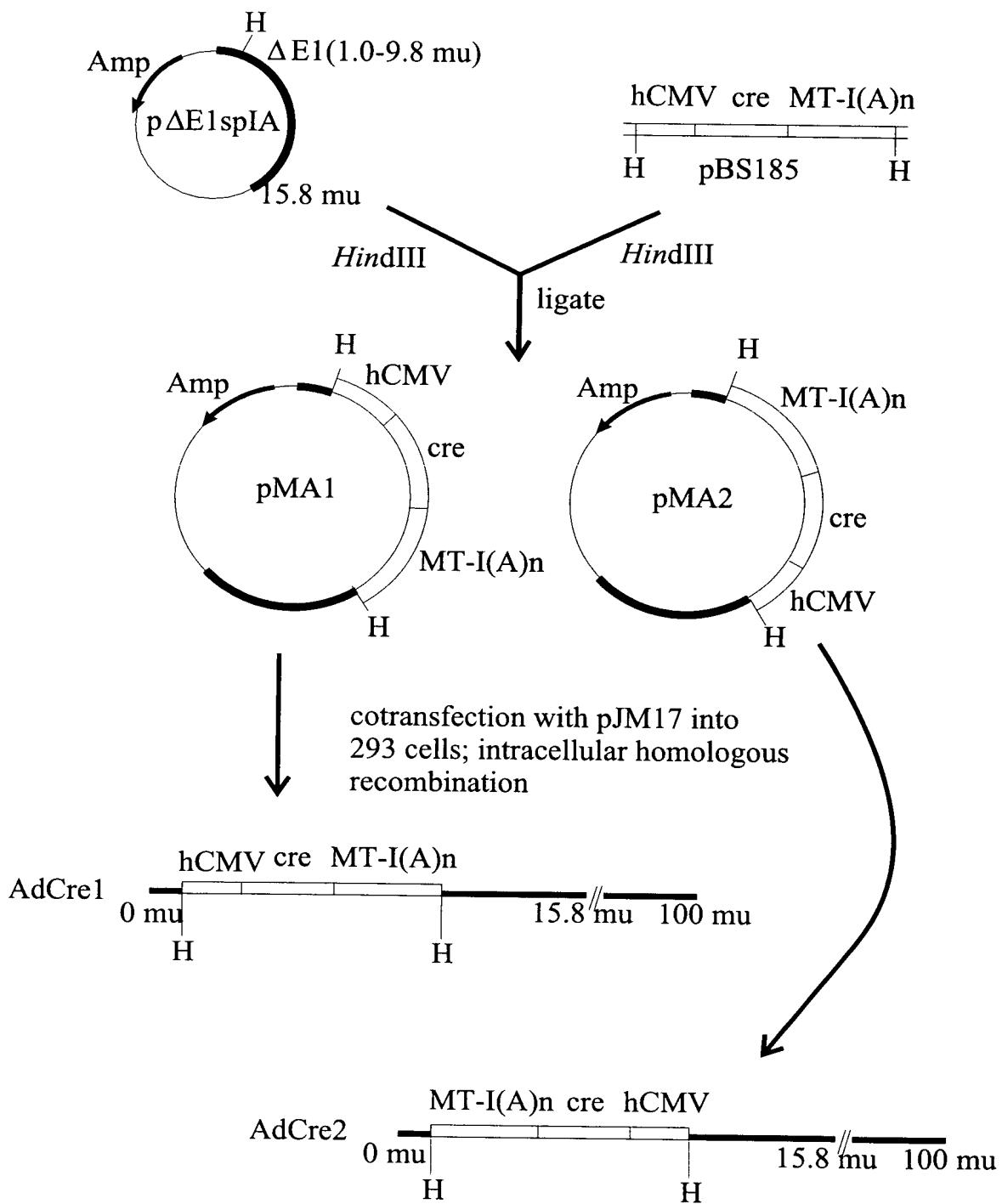


FIGURE 1

## EXPRESSION OF CRE RECOMBINASE IN CELLS INFECTED WITH ADCRE

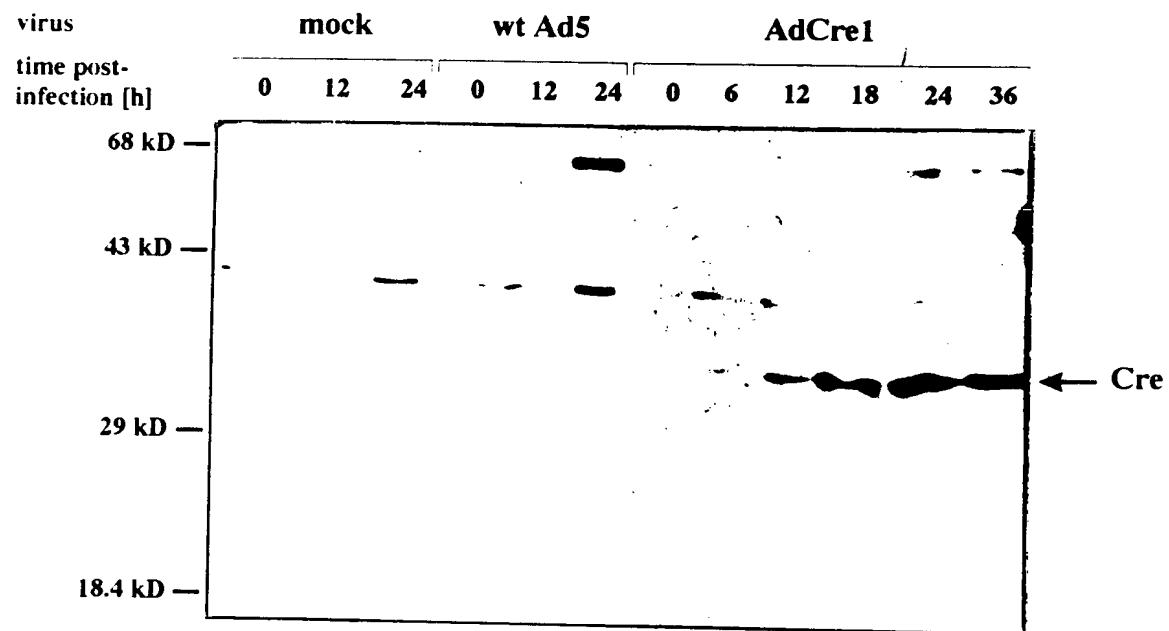


FIGURE 2

CONSTRUCTION OF AD VECTORS EXPRESSING LUCIFERASE  
UNDER CONTROL OF A MOLECULAR SWITCH

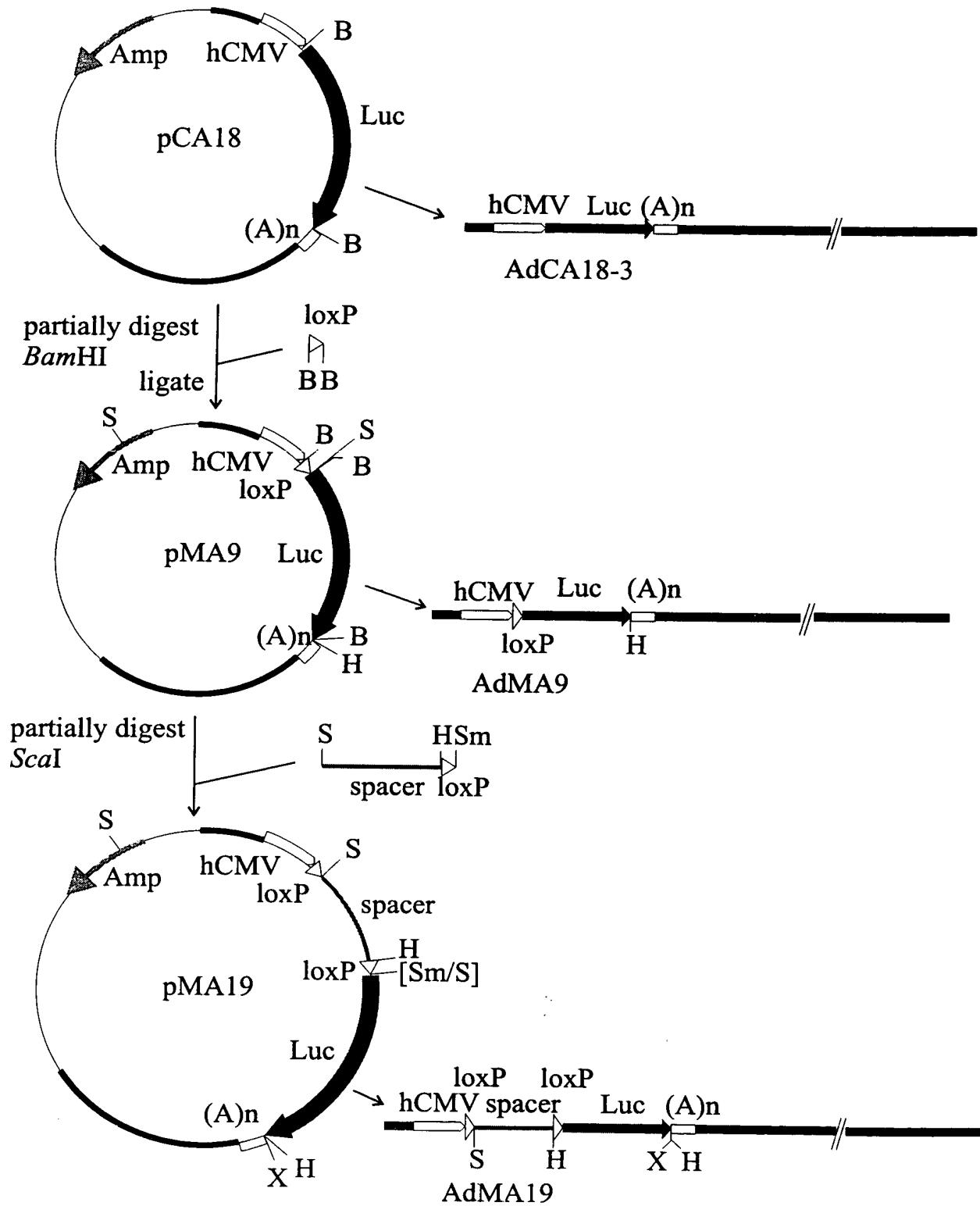


FIGURE 3-1

CONSTRUCTION OF AD VECTORS EXPRESSING LUCIFERASE  
UNDER CONTROL OF A MOLECULAR SWITCH

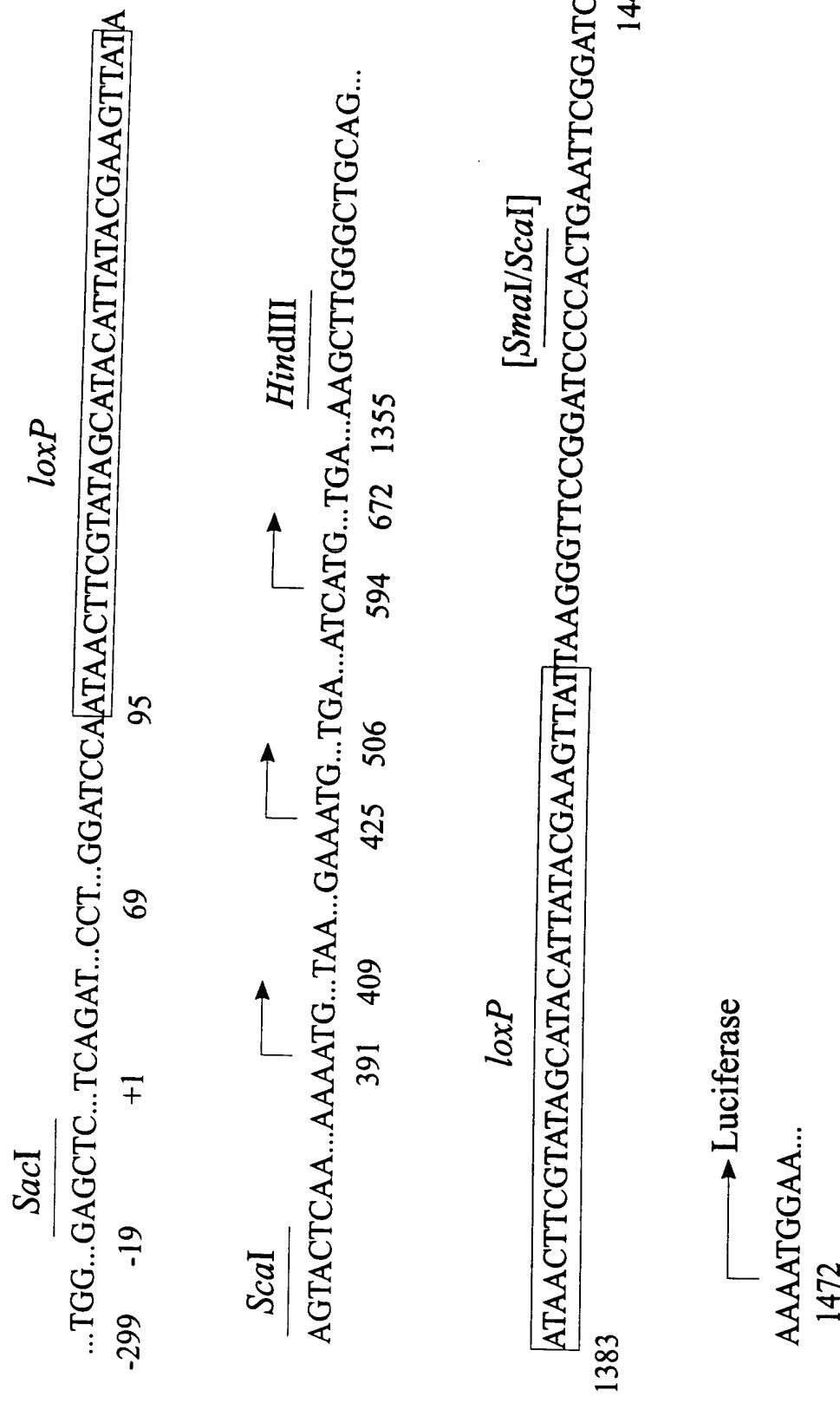


FIGURE 3-2

EXCISION OF SEQUENCES FROM ADMA19 IN  
CELLS COINFECTED WITH ADMA19 AND ADCRE

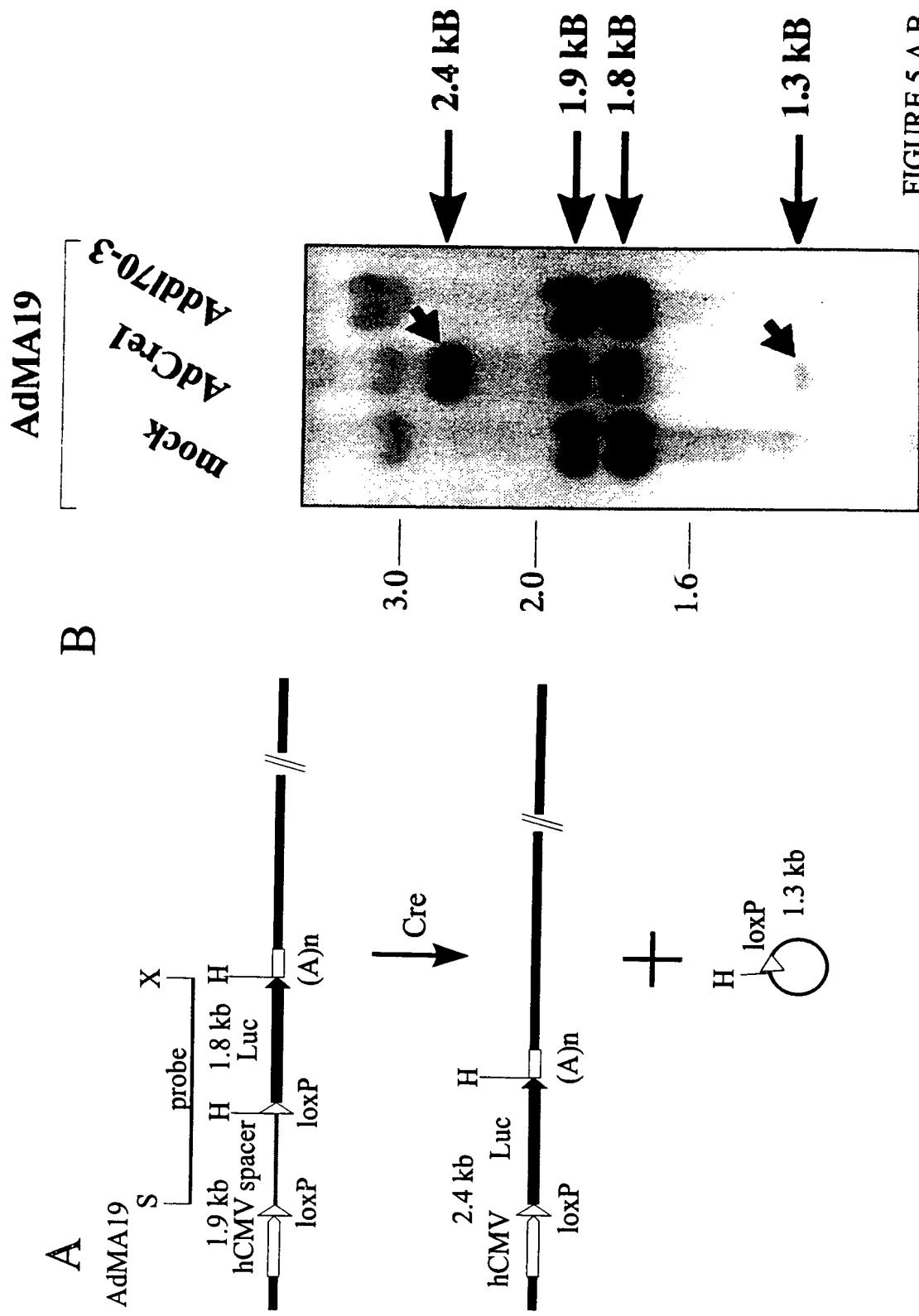
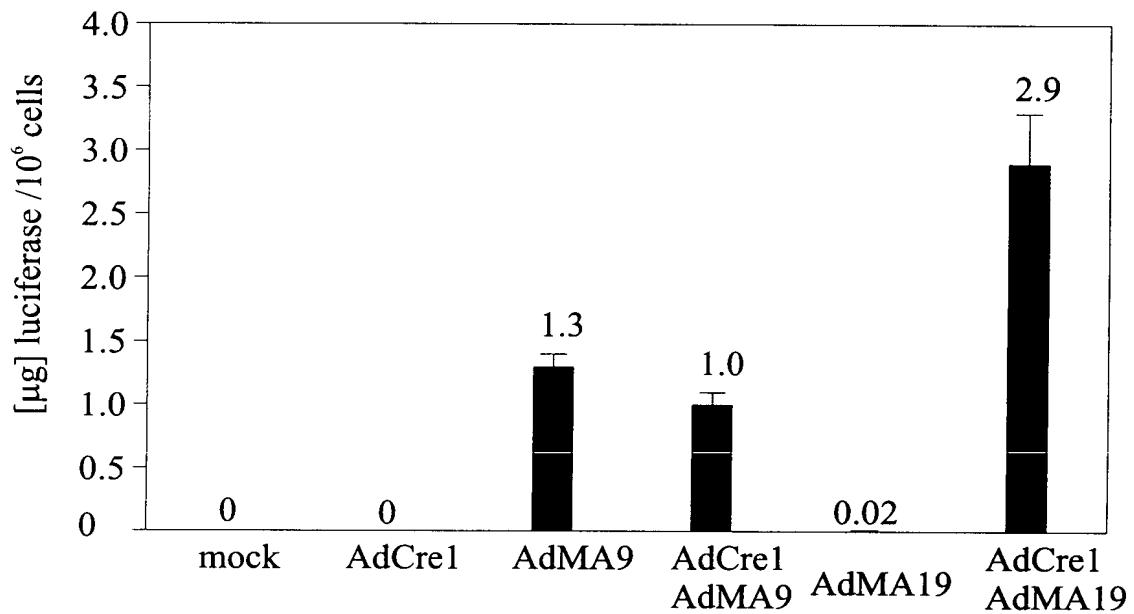


FIGURE 5 A,B

## EXPRESSION OF LUCIFERASE IN AD VECTOR INFECTED CELLS

Expt. 1



Expt. 2

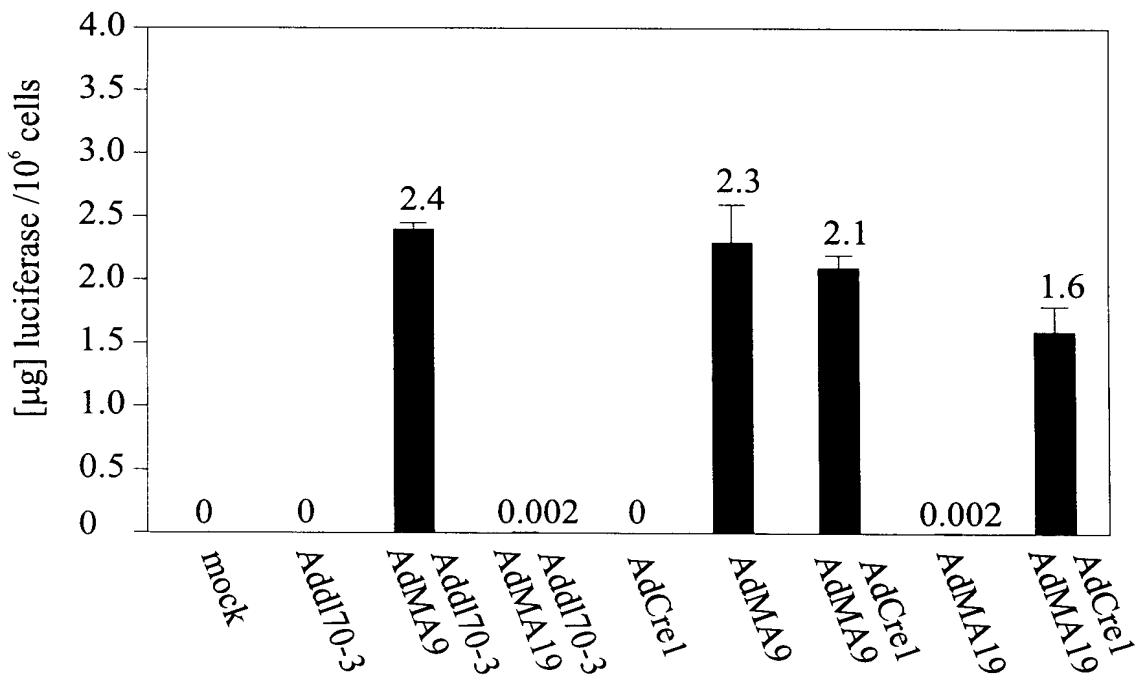
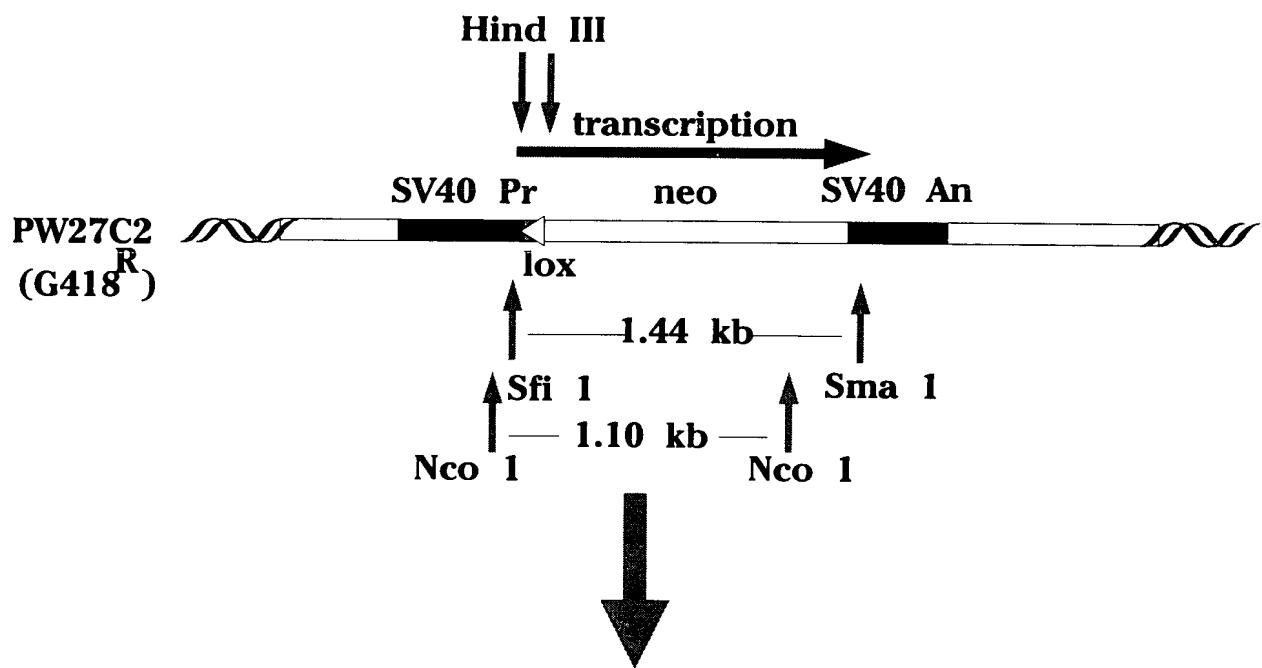


FIGURE 5C

## STRUCTURE OF INTEGRATED SEQUENCES IN CELL LINE PW27C2



EXPRESSION OF NEO RESULTING IN G418 RESISTANCE

FIGURE 6A

X4

# SOUTHERN BLOT HYBRIDIZATION ANALYSIS OF CELL LINES DERIVED BY TRANSFORMATION OF HT1080 CELLS WITH PBS74

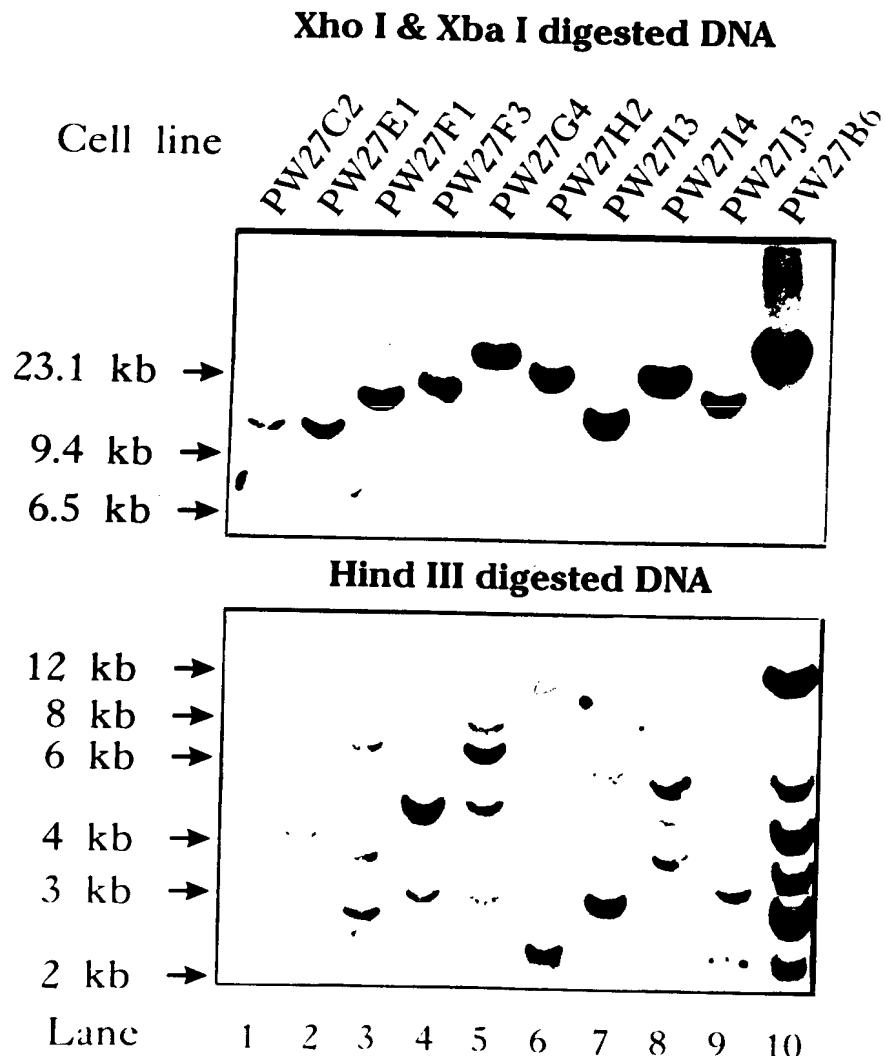


FIGURE 6B

## SOUTHERN BLOT HYBRIDIZATION ANALYSIS OF DNA FROM CELL LINES INFECTED WITH ADCRE

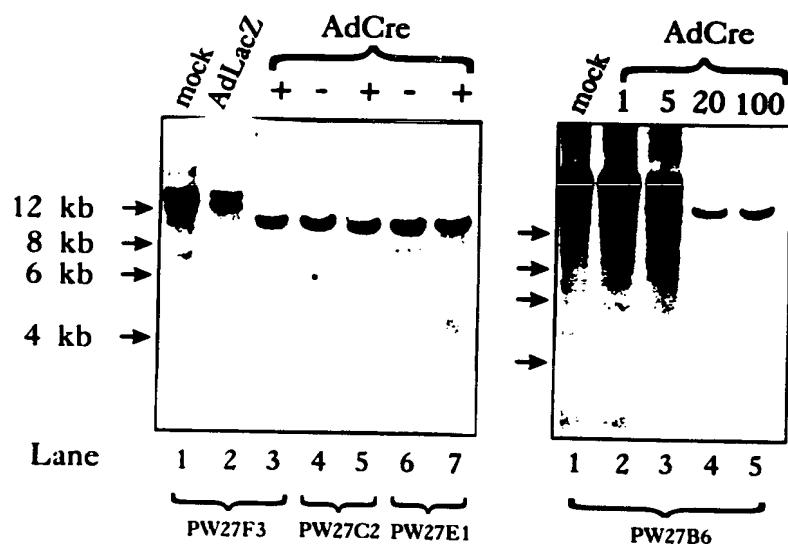


FIGURE 6C

# CRE-MEDIATED INSERTION OF A PLASMID ENCODING HISD SEQUENCES INTO THE LOX SITE OF CELL LINE PW27C2

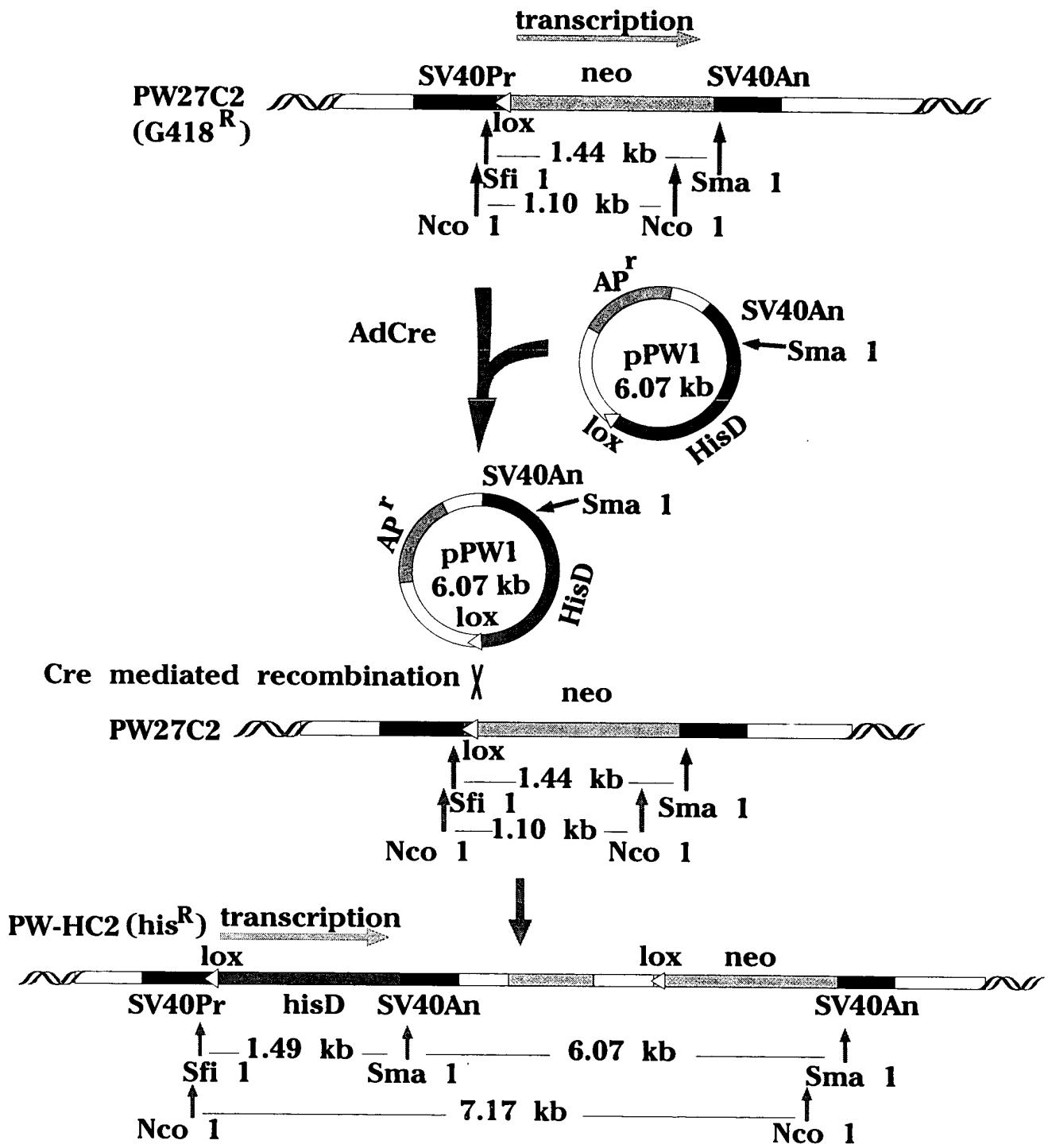
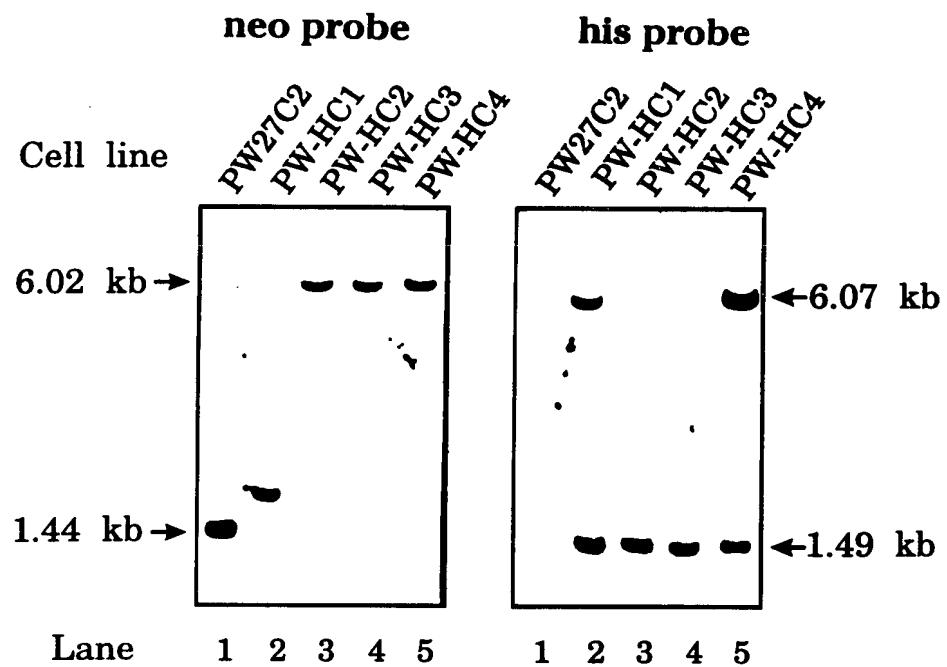


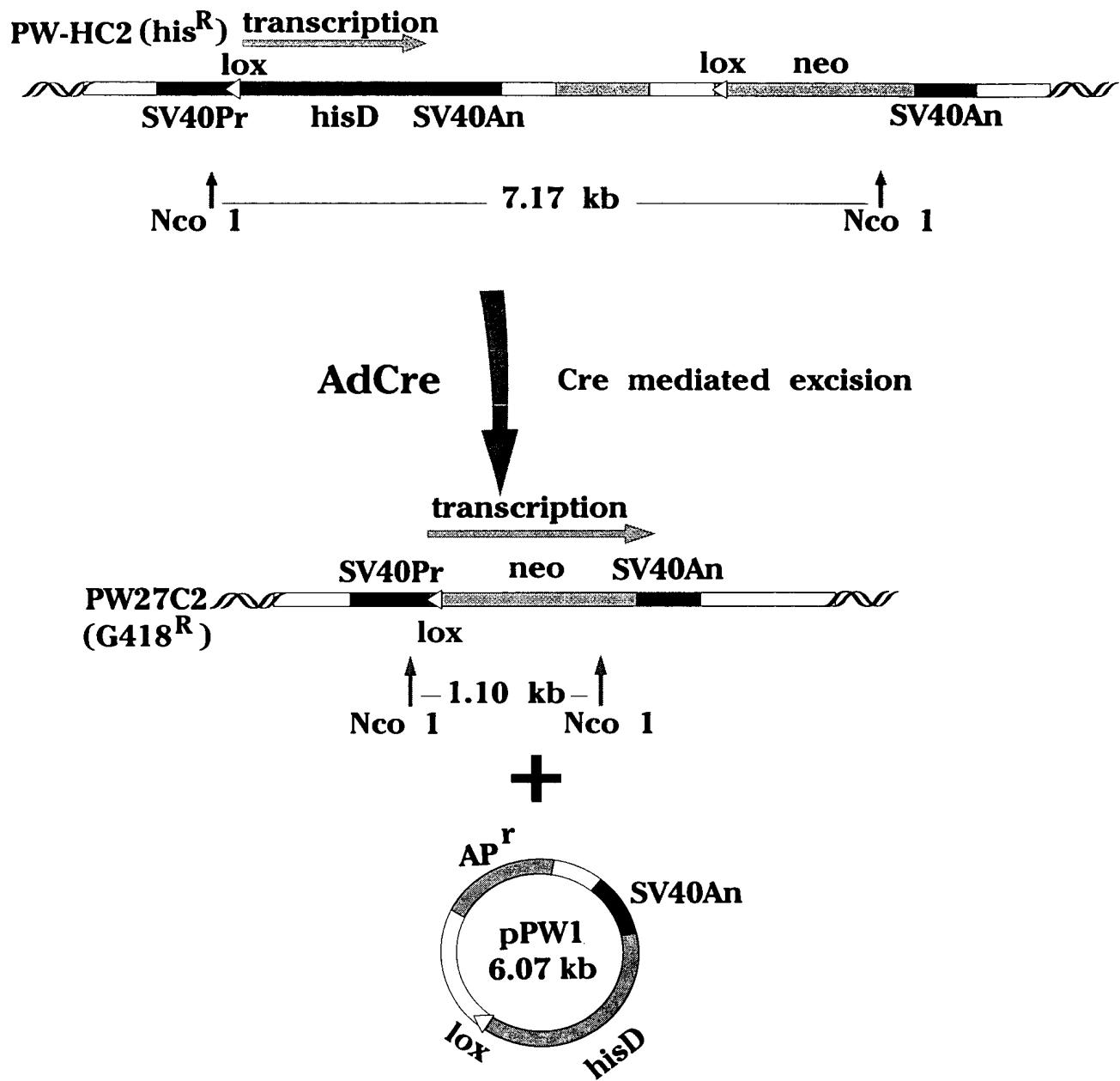
FIGURE 7A

# **SOUTHERN BLOT HYBRIDIZATION ANALYSIS OF CELL LINES DERIVED BY CRE MEDIATED INTEGRATION OF pPW1**



## FIGURE 7B

## CRE-MEDIATED EXCISION OF DNA CONTAINING hisD SEQUENCES FLANKED BY LOX SITES



Loss of *hisD* expression (Histidinol sensitive)  
 Gain of *neo* expression (G418 resistant)

FIGURE 8A

Conversion of HisD resistant cells to  
G418 resistant cells by infection with AdCre

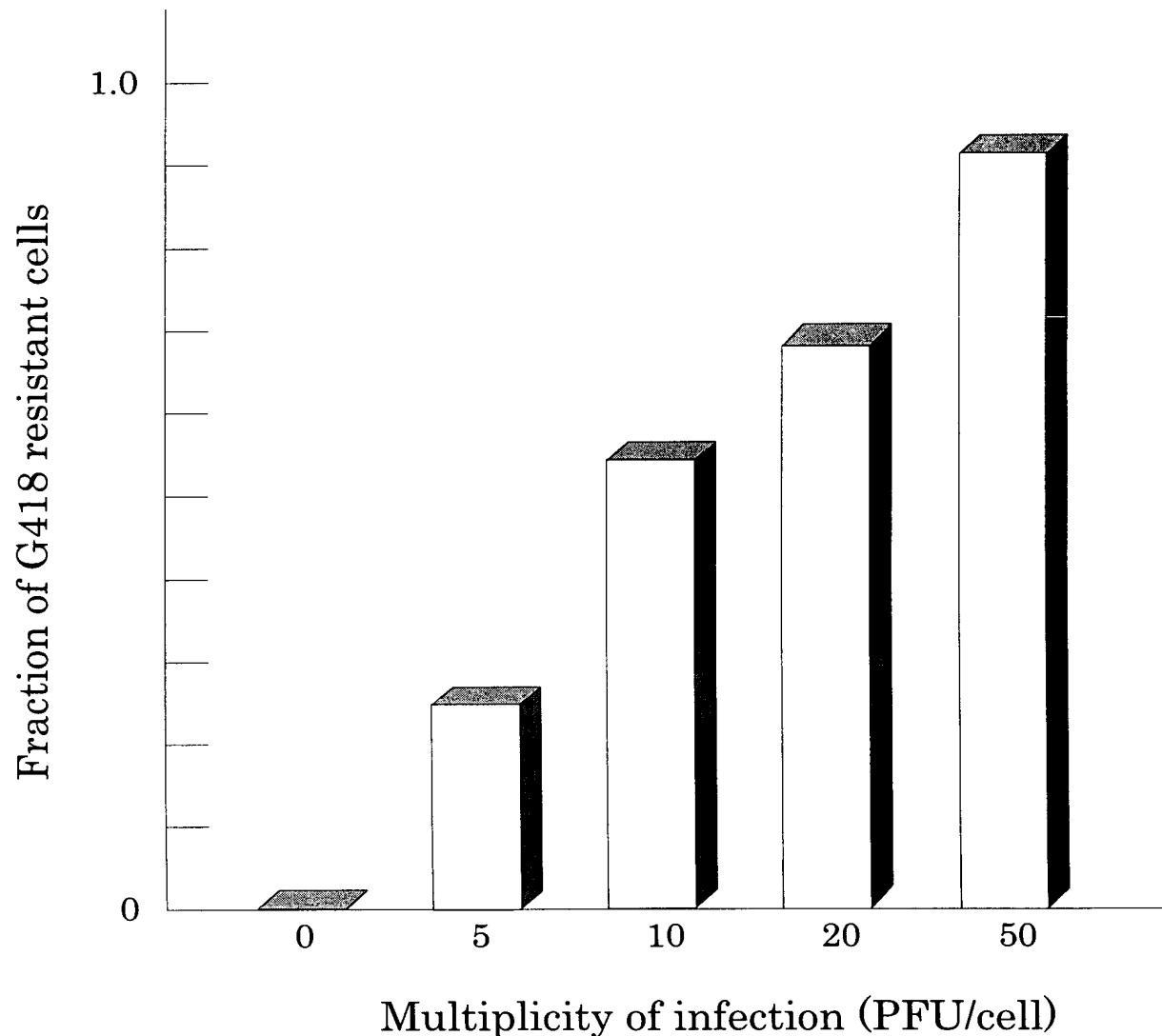
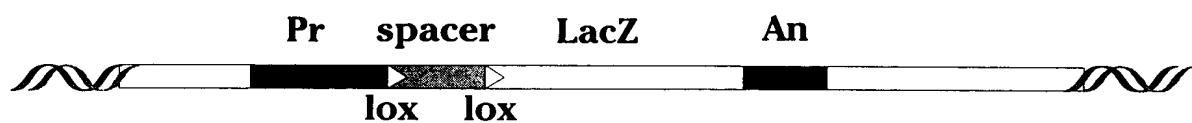


FIGURE 8B

## IN VIVO GENE EXPRESSION CONTROLLED BY A MOLECULAR SWITCH



### TRANSGENICS CONTAINING GENES CONTROLLED BY A MOLECULAR SWITCH

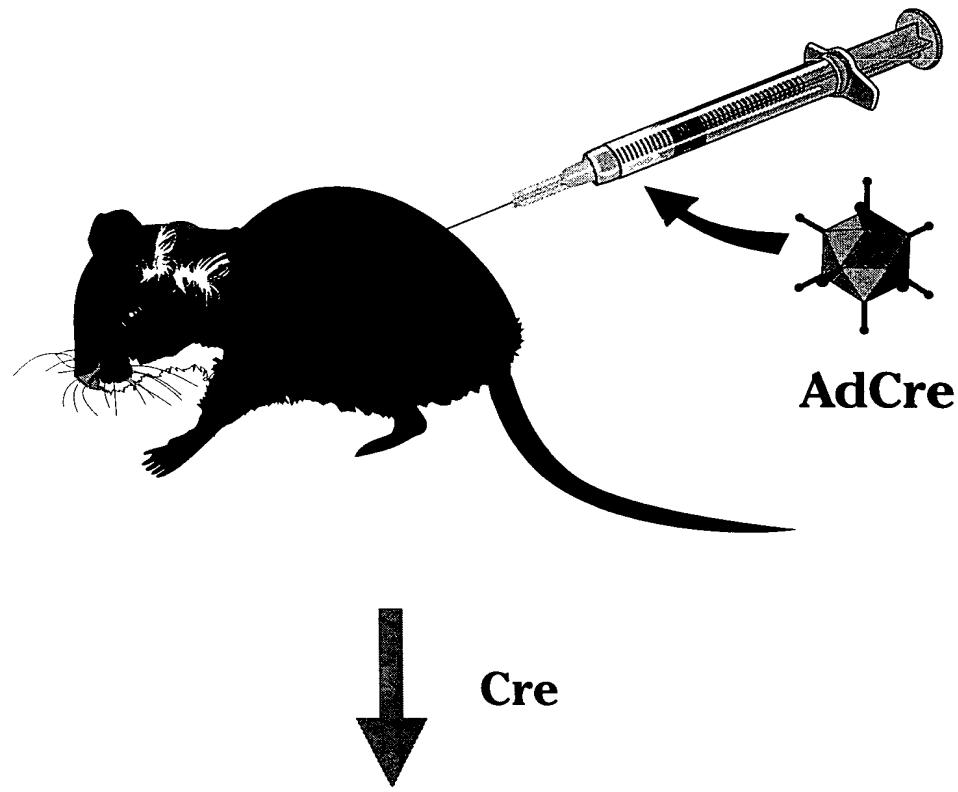


Figure 9